



→ NTC probe

- Direct connection with no converter on analogue input
- Low-cost temperature control solution
- Fields of application:
 - HVAC
 - Compressors
 - Geothermal systems



Sensor NTC

Part numbers

Type	Description	Ohmic value	Measurement range	Code
AS	NTC probe (batch of 10) for Millenium 3 (24 V $\overline{\text{---}}$, $\pm 10\%$)	10 k Ω @ 25°C	-25 \rightarrow +85° C	89750180
	NTC probe (batch of 100) for Millenium 3 (24 V $\overline{\text{---}}$, $\pm 10\%$)	10 k Ω @ 25°C	-25 \rightarrow +85° C	89750181

Accessories

Accessories	Operating temperature	Operating pressure	Code
Copper protective sleeve	-20 \rightarrow +100°C	10 bar	89750146
316 stainless steel protective sleeve	-20 \rightarrow +400°C	16 bar	89750147

General characteristics

Environmental characteristics

Operating temperature	-25 \rightarrow +85°C
Storage temperature	-30 \rightarrow +100°C
Accuracy	-25 °C \rightarrow +40 °C: = ± 0.8 °C (Repeat accuracy $\leq \pm 0.5$ °C) +40 °C \rightarrow +50 °C: = ± 1.2 °C (Repeat accuracy $\leq \pm 1$ °C) +50 °C \rightarrow +60 °C: = ± 1.4 °C (Repeat accuracy $\leq \pm 1.4$ °C) +60 °C \rightarrow +70 °C: = ± 2 °C (Repeat accuracy $\leq \pm 2$ °C) +70 °C \rightarrow +85 °C: = ± 3 °C (Repeat accuracy $\leq \pm 2$ °C)

Mechanical characteristics

Cable	-30 \rightarrow +100°C, 2 identical colour wires
Cable length	60 cm

Comments

Analogue input configured as potentiometer via the Custom function (NTC1, in M3 SOFT software part no.: 88970111).
 Probes only available on the Custom range (88974XXX, NB, NBR)

Dimensions (mm)

89750180

